

## INTERNATIONAL SEARCH REPORT

IB2004/051877

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04L29/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, IBM-TDB, PAJ, WPI Data, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>JEFFREY LO, K.TANIGUCHI: "IP Host Network Address (and Port) Translation" NAT WORKING GROUP INTERNET-DRAFT, 'Online! November 1998 (1998-11), pages 1-14, XP002316088 Retrieved from the Internet: URL:<a href="http://www.watersprings.org/pub/id/draft-ietf-nat-hnat-00.txt">http://www.watersprings.org/pub/id/draft-ietf-nat-hnat-00.txt</a> &gt; 'retrieved on 2005-02-02! abstract page 2, paragraph 1 – page 7, paragraph 5.2 page 11, paragraph 6 – page 13, paragraph 6.2</p> <p style="text-align: center;">-/-</p>	1-22



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the International search

2 February 2005

Date of mailing of the International search report

17/02/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>SRISURESH P ET AL: "Middlebox communication architecture and framework" NETWORK WORKING GROUP, RFC 3303, August 2002 (2002-08), XP002296447</p> <p>abstract</p> <p>page 2, paragraph 1 – page 4, paragraph 2.4</p> <p>page 5, paragraph 2.8 – page 6</p> <p>page 8, paragraph 3.0 – page 11, paragraph 5.0</p> <p>page 13, paragraph 5.1</p> <p>page 16, paragraph 7.0 – page 17</p> <p>page 19, paragraph 7.2 – page 22</p> <p>-----</p>	1-22
X	<p>SRISURESH P ET AL: "RFC 2663 – IP Network Address Translator (NAT) Terminology and Considerations"</p> <p>NETWORK WORKING GROUP RFC 2663, August 1999 (1999-08), XP002204216</p> <p>page 15, paragraph 5.0 – page 20,</p> <p>paragraph 5.2</p> <p>-----</p>	1-22